

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
11 October 2001 (11.10.2001)

PCT

(10) International Publication Number  
**WO 01/74464 A1**

(51) International Patent Classification<sup>7</sup>: **A63F 9/24**

(21) International Application Number: **PCT/US01/10727**

(22) International Filing Date: **2 April 2001 (02.04.2001)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:  
**09/538,934** **31 March 2000 (31.03.2000)** **US**

(71) Applicant: **WMS GAMING INC. [US/US]; 800 S. Northpoint Boulevard, Waukegan, IL 60085 (US).**

(72) Inventors: **FROHM, Erica, A.; 2600 Central, Evanston, IL 60201 (US). GIOBBI, John, J.; 12648 Monroe Court, Crown Point, IN 46307 (US). GURA, Damon, E.; 2643**

**N. Marshfield, Apt. 2R, Chicago, IL 60614 (US). JAFFE, Joel, R.; 8909 N. Lincolnwood Drive, Evanston, IL 60203 (US). RANESES, Marc, A.; 1031 Huntington Drive, Elk Grove Village, IL 60007 (US).**

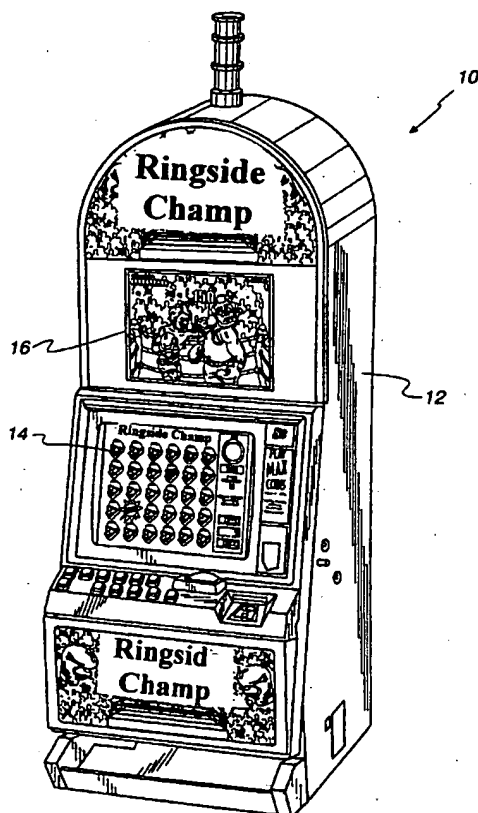
(74) Agents: **KENAGA, Michael, L.; Piper Marbury Rudnick & Wolf, 203 N. LaSalle Street, Suite 1800, Chicago, IL 60601-1293 et al. (US).**

(81) Designated States (*national*): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.**

(84) Designated States (*regional*): **ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European**

[Continued on next page]

(54) Title: **GAMING MACHINE WITH PLAYER SELECTED EVENTS**



(57) Abstract: A gaming machine (10) includes a presentation element (14) and an animation feature (16). In response to a wager amount, a processor controls the presentation element (14). The presentation element (14) is capable of presenting a plurality of action selections for a player. When a player selects one of the actions, the animation feature (16) animates a multi-step event corresponding to the selected action. Combinations of multi-step events result in a continuing gameplay experience, and payoffs are rewarded to the player in response to certain multi-step events or certain achievements in the continuing gameplay experience.

WO 01/74464 A1



patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,  
IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF,  
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*

## GAMING MACHINE WITH PLAYER SELECTED EVENTS

### FIELD OF THE INVENTION

The present invention relates generally to gaming machines and, more particularly, to a gaming machine having player selected events.

### BACKGROUND OF THE INVENTION

5        Gaming machines, such as slot machines, video poker machines and the like, have been a cornerstone of the gaming industry for several years. Generally, the popularity of such machines with players is dependent on the likelihood (or perceived likelihood) of winning money at the machine and the intrinsic entertainment value of the machine relative to other available gaming options. Where the available gaming  
10        options include a number of competing machines and the expectation of winning on each machine is roughly the same (or believed to be the same), players are most likely to be attracted to the most entertaining and exciting of the machines. Shrewd operators consequently strive to employ the most entertaining and exciting machines available because such machines attract frequent play and hence increase profitability  
15        to the operators. Traditional gaming machines use mechanical slot reels or video depictions of such reels to display games and outcomes to players. Further, many traditional gaming machines use simulations of standard casino games such as cards, dice, bingo and the like to attract players. These traditional machines may become repetitive over time, and it is believed that more innovative displays and gameplay  
20        features will find success by offering players an interesting and exciting alternative to traditional games. Accordingly, in the competitive gaming machine industry, there is a continuing need for gaming machine manufacturers to produce new types of games, or enhancements to existing games, which will attract frequent play by enhancing the entertainment value and excitement associated with the game. In particular, there is a  
25        need for engaging and entertaining games that can hold a player's interest more than existing games. The present invention is directed to satisfying this need.

### SUMMARY OF THE INVENTION

In accordance with one aspect of the present invention, there is provided a gaming machine comprising a presentation medium presenting a multi-stage game including a

plurality of stages and a plurality of player-selectable options, each of the stages including an action executed on the presentation medium in response to selection of at least one of the options by a player. The action in at least one of said stages results in a payoff if the action matches predetermined criteria. The game is other than slots, cards, roulette, dice, dominoes, bingo, or keno, and in a preferred embodiment the game is a simulation of a sporting event.

### BRIEF DESCRIPTION OF THE DRAWINGS

The foregoing and other advantages of the invention will become apparent upon reading the following detailed description and upon reference to the drawings in which:

FIG. 1 is a perspective view of a gaming machine embodying the present invention;

FIG. 2 is a block diagram of a control system suitable for operating the gaming machine in FIG. 1;

FIGS. 3a and 3b are display screen captures associated with a boxing game that is played on the gaming machine in FIG. 1;

FIGS. 4a and 4b are display screen captures associated with a football game that is played on the gaming machine in FIG. 1; and

FIG. 5 is a perspective view of a gaming machine for playing one embodiment of the present invention.

While the invention is susceptible to various modifications and alternative forms, specific embodiments have been shown by way of example in the drawings and will be described in detail herein. However, it should be understood that the invention is not intended to be limited to the particular forms disclosed. Rather, the invention is to cover all modifications, equivalents, and alternatives falling within the spirit and scope of the invention as defined by the appended claims.

### DESCRIPTION OF SPECIFIC EMBODIMENTS

Turning now to the drawings and referring initially to FIG. 1, there is depicted a video gaming machine 10 that may be used to implement a game according to the present invention. The gaming machine 10 includes a large bonnet-top cabinet 12 containing two video displays 14 and 16. Each of the video displays 14 and 16 may

comprise a dot matrix, CRT, LED, LCD, electro-luminescent display or generally any type of video displays known in the art. One or both of the video displays 14 and 16 may incorporate a touch-screen input device. In the illustrated embodiment, the gaming machine 10 is an "upright" version in which the video displays 14 and 16 are oriented vertically relative to the player. It will be appreciated, however, that any of several other models of gaming machines are within the scope of the present invention including, for example, a single video display and more than two video displays. Furthermore, a "slant-top" version containing the video display(s) that is slanted at about a thirty-degree angle toward the player may be used.

10 In one embodiment, the gaming machine 10 is operable to play a game entitled RINGSIDE CHAMP™ having a boxing theme. In another embodiment, the gaming machine 10 is operable to play a game having a football theme. In alternative embodiments, the gaming machine 10 may provide different games and/or any of several alternative game themes. The RINGSIDE CHAMP™ game features a basic  
15 game with player selected events in the form of a boxing match (see FIGS. 3a and 3b). The RINGSIDE CHAMP™ game may also include a bonus game or secondary game.

FIG. 2 is a block diagram of a control system including processing circuitry suitable for operating the gaming machine 10. Coin/credit detector 18 signals a CPU 20 when a player has inserted a number of coins or played a number of credits. Then,  
20 the CPU 20 operates to execute a game program which causes the lower video display 14 to display the basic game that includes a series of player selectable options displayed thereon (see FIGS. 3b and 4b). The player may select the amount to wager via an input key 22. A play of the game commences in response to the player activating a switch 24 corresponding to a displayed option (e.g., by pushing a button  
25 or touching a touch screen), causing the CPU 20 to randomly select a game outcome and animate the game outcome on the upper display 16. Animation may take any of several forms; for example, the animation may be hand-drawn animation showing an action, computer animated action, video or film representations, or any other visible movement corresponding to a selected option. In one embodiment, the game outcome  
30 may be displayed via mechanical devices which carry out an action in response to the player's selection of an option. In addition, the depiction of the outcome of an option selected by a player may be displayed using a combination of these forms of animation.

In one embodiment, certain of the basic game outcomes cause the CPU 20 to enter a bonus mode causing the video displays 14 and 16 to show a bonus game.

A system memory 26 stores control software, operational instructions and data associated with the gaming machine 10. In one embodiment, the memory 26  
5 comprises a separate read-only memory (ROM) and battery-backed random-access memory (RAM). However, it will be appreciated that the system memory 26 may be implemented on any of several alternative types of memory structures or may be implemented on a single memory structure. A payoff mechanism 28 is operable in response to instructions from the CPU 20 to award a payoff of coins or credits to the  
10 player in response to certain winning situations which might occur in the game. The payoff amounts corresponding to certain outcomes in the basic game are predetermined according to a pay table stored in system memory 26. The payoff amounts corresponding to certain outcomes of the bonus game are also stored in system memory 26. Furthermore, the system memory 26 stores data relating to the  
15 images to be shown on the lower and upper displays 14 and 16.

As shown in FIGS. 3a and 3b, the RINGSIDE CHAMP™ basic game is implemented on the video displays 14 and 16. As illustrated in FIG. 3b, the lower display 14 presents an array of boxing gloves 30. As illustrated in FIG. 3a, the upper display presents an animation of a boxing match with two boxers "Rocky" 32 and "T-Bone" 34. Generally, game play is initiated by inserting a number of coins or playing a  
20 number of credits, causing the CPU 20 (FIG. 2) to activate a number of picks available to the player corresponding to the number of coins or credits played. The lower display 14 illustrates the number of picks 36 or selections available to the player.

After picks 36 are made available to the player, the lower display 14 informs  
25 the player "TOUCH GLOVES TO PUNCH OPPONENT." The CPU 20 uses a random number generator (not shown) to select a punch type for each of the displayed gloves 30. In one embodiment, the punch type for each glove 30 is written over the gloves 30 as shown by the "JAB" glove 38. For convenience, this embodiment is called the options revealed embodiment. In another embodiment, a punch type or  
30 outcome for each glove is not revealed until the player selects a glove such as the revealed "HOOK" glove 40. For convenience, this embodiment is called the options hidden embodiment. For both the options revealed and options hidden embodiments,

the player selects one of the boxing gloves 30. In one embodiment, the lower display 14 includes a touch screen to allow the player to press the desired boxing glove 30.

In the options revealed embodiment, once the player selects one of the boxing gloves 36, the selected option animates on the upper display 16. For the example illustrated in FIGS. 3a and 3b, the JAB option 38 has been selected and ROCKY throws a jab punch. The CPU 20 randomly determines a punch outcome for the selected JAB option 38. The punch outcome is a result for the thrown punch having a payoff, such as a missed punch equaling no payoff, a blocked punch equaling no payoff, a soft hit equaling 10 credits, a medium hit equaling 50 credits, a solid hit equaling 150 credits, a knock down equaling 250 credits and a knock out equaling 500 credits. For example, the JAB punch may result in the solid hit as animated on the upper display 16 in FIG. 3a with the JAB punch connecting with the face of T-Bone resulting in a 150 credit payoff to the player. Table 1 illustrates a pay table for the RINGSIDE CHAMP™ basic game. In the options revealed embodiment, the punches are shown to the player before the player's selection, but the outcomes of the punches are randomly determined following the player's selection.

Table 1 – Pay Table for Options Revealed Embodiment

PUNCH OUTCOME	PAYOFF
MISSED PUNCH	0
DEFLECTED PUNCH	0
SOFT HIT	10
MEDIUM HIT	50
SOLID HIT	150
KNOCK DOWN	250
KNOCK OUT	500

The options hidden embodiment is similar to the options revealed embodiment. Once the player selects one of the boxing gloves 36, the selected boxing glove animates on the lower display 14 revealing either a punch type, such as HOOK 40 in FIG. 3b, or an outcome for the selected boxing glove. If a punch type is revealed, the CPU 20 determines a punch outcome for the revealed punch type, such as the HOOK

punch 40. The punch outcome is a result for the thrown punch having a payoff value, such as a missed punch equaling no payoff, a deflected punch equaling no payoff, a soft hit equaling a small payoff, a medium hit equaling a medium payoff, or a solid hit equaling a large payoff. For example, the HOOK punch may result in the solid hit as animated on the upper display 16 in FIG. 3a for the JAB punch resulting in a 150 credit payoff to the player. In the options hidden embodiment, the punches or outcomes corresponding to the boxing gloves may be randomly determined before the player selects a boxing glove 30. Alternatively, the punches or outcomes corresponding to the boxing gloves may be randomly determined after the player selects a boxing glove 30. In one embodiment, all of the hidden punches, defensive moves, and/or punch outcomes may be displayed after the player selects one of the boxing gloves.

For both the options revealed embodiment and the options hidden embodiment, the upper display 16 presents a score card 42 for ROCKY and a score card 44 for T-BONE. In one embodiment, the score cards 42 and 44 track and illustrate the punch outcomes for the player. In another embodiment, the score cards reflect the energy or power remaining for the player and the opponent. In this embodiment, the game may pause when ROCKY's score card 42 is depleted to zero to allow the player to place a new wager and increase ROCKY's score card. Further, in this embodiment some boxing gloves may be associated with block or dodge moves that allow the player to avoid getting hit and losing energy or power. Using this embodiment, the player may decide whether to play offensively or defensively to arrive at the best outcome. Following the player's selection of a boxing glove and the machine's depiction of the outcome, the boxing match illustrated on the upper display 16 continues allowing the player to select another boxing glove 30. The punch outcome of the selected boxing gloves 30 is reflected on the score cards 42 and 44. Thus, the boxing match becomes a continuing gameplay experience in which the player participates. As the gameplay experience continues, a connecting punch may result in a knockdown or a knockout, in which case bonus payoffs may be rewarded in addition to the payoffs for connecting punches.

In one embodiment of the RINGSIDE CHAMP™ game, the player can be given the option to place wagers on multiple events or achievements within the boxing



game. For example, a player may place bets on who will win the bout, the outcome of the bout (for example, a knockout, a TKO, or a decision), the number of punches that are thrown or that land in a bout, and the like. These wagers may be placed at the beginning of the RINGSIDE CHAMP™ game or after the game has begun.

5 Further, in addition to being shown on an upper display 16, the outcomes of selections by a player and the progression of the present invention may be shown via mechanical devices as illustrated in FIG. 5. In this embodiment the gaming machine 210 has a stand-up cabinet 212 with a lower display 214 and an upper mechanical display 216. In the RINGSIDE CHAMP™ embodiment, a mechanical actor  
10 representing the player 218 and a mechanical actor representing the opponent 220 provide a physical representation of the outcomes and progression of the game as selected by the player. The mechanical display could further be used in other embodiments, where the mechanical display may depict vehicles, teams, or other objects.

15 In another embodiment, the gaming machine 10 is operable to play a game entitled "football" having an American football theme. As shown in FIGS. 4a and 4b, the football basic game is similarly implemented on the video displays 14 and 16 as the RINGSIDE CHAMP™ game. As illustrated in FIG. 4b, the lower display 14 presents an array of footballs 130. As illustrated in FIG. 4a, the upper display presents an  
20 animation of a football game with two teams "Home" 132 and "Visitor" 134. Generally, game play is initiated by inserting a number of coins or playing a number of credits, causing the CPU 20 (FIG. 2) to activate a number of picks available to the player corresponding to the number of coins or credits played. The lower display 14 illustrates the number of picks 136 or selections available to the player.

25 After picks 136 are made available to the player, the lower display 114 informs the player "TOUCH FOOTBALLS TO PICK PLAYS." The CPU 20 uses a random number generator (not shown) to select a play type for each of the displayed footballs 130. In one embodiment, the play type for each football 130 is written over the football 130 as shown by the "RUN" football 138. For convenience, this embodiment  
30 is called the options revealed embodiment. In another embodiment, the play type or outcome for each football is not revealed until the player selects that football such as the revealed "PASS" football 140. For convenience, this embodiment is called the

options hidden embodiment. For both the options revealed and options hidden embodiments, the player selects one of the footballs 130. In one embodiment, the lower display 14 is a touch screen to allow the player to press the desired football 130.

In the options revealed embodiment, once the player selects one of the footballs 130, the selected option animates on the upper display 16. For the example illustrated in FIGS. 4a and 4b, the RUN option 138 has been selected and the HOME team executes a run play. The CPU 20 randomly determines a play outcome for the selected RUN option 138. The play outcome is a result for the executed play having a payoff value, such as a loss of yardage equaling no payoff, no gain equaling no payoff, short gain equaling a small payoff, a long gain equaling a medium payoff, and a touchdown equaling a large payoff. For example, the RUN play may result in the short gain as animated on the upper display 16 in FIG. 4a providing a 10 credit payoff to the player. Table 2 illustrates a pay table for the football basic game.

Table 2 – Pay Table for Options Revealed Embodiment

PLAY OUTCOME	PAYOFF
LOSS OF YARDAGE	0
NO GAIN	0
SHORT GAIN	10
MEDIUM GAIN	50
LONG GAIN	150
FIELD GOAL	250
TOUCHDOWN	500

The options hidden embodiment is similar to the options revealed embodiment. Once the player selects one of the footballs 130, the selected football animates on the lower display 14 revealing the play or play outcome, such as PASS 140 in FIG. 4b. In the options hidden embodiment, the plays or play outcomes may be randomly determined by the CPU 20 either before the player selects a football 130 or after the player selects a football 130. In the current example, the CPU 20 randomly determines a play outcome for the selected PASS option 140. Alternatively, in the options hidden

embodiment, the CPU 20 could randomly choose a play outcome such as "TOUCHDOWN" to correspond to a football 130. The play outcome is a result for the executed play having a payoff value, such as a loss of yardage equaling no payoff, no gain equaling no payoff, short gain equaling small payoff, a long gain equaling a medium payoff, and a touchdown equaling a large payoff. For example, the PASS play  
5 may result in the long gain resulting in a 150 credit payoff to the player. In one embodiment, all of the hidden plays and/or play outcomes may be displayed after the player selects one of the footballs.

For both the options revealed embodiment and the options hidden embodiment,  
10 the upper display 16 presents a first down marker 142 for the HOME team. The first down marker 142 tracks and illustrates the yardage gained by the play outcomes for the player. The football game illustrated on the upper display 16 continues allowing the player to select another football 130. The play outcome of the later selected footballs 130 is illustrated as progress with respect to the first down marker 142 and  
15 the end zone line 144. Progress may also be shown by a scoreboard 146 on the upper display 16. Although not shown in the pay table, payoffs may also be awarded for field goals, kickoff returns, punt returns, and other types of football plays. In one embodiment, the football game continues after the player scores, so that the player plays on defense rather than offense. In this embodiment, the footballs 130 show  
20 defensive play types when the player is on defense, and the player may receive payoffs for successful defensive plays or for stopping the opposing team from scoring or advancing the ball.

In one embodiment, the footballs 130 initially correspond to football formations. In this embodiment, when a player selects a formation the footballs 130  
25 alter so that they correspond to individual plays using the selected formation. This embodiment may be employed with either offensive or defensive plays. Further, schematic diagrams of a play choice may be displayed.

In addition to the RINGSIDE CHAMP<sup>TM</sup> and football games described above, the present invention may be implemented in connection with a wide variety of a  
30 lifelike representations of other sports, such as, for example, baseball, hockey, basketball, soccer, tennis, automobile or horse racing, golf, track-and-field, or bowling events. In all embodiments, the game selected is other than slots, cards, roulette, dice,

dominoes, bingo, or keno. In one embodiment, in addition to the wager and play features described above, the player may place optional wagers on overall outcomes of a continuing gameplay experience. For example, in the RINGSIDE CHAMP™ game, a player may be able to wager on such outcomes as who will win a bout, how many punches each competitor with throw or land, and the overall number of rounds in the bout. Likewise, in the football game, a player may be able to wager on such outcomes as the winner of the game, the margin of victory, the points scored by each team or the teams combined, the overall yardage gained or lost by each team, pass completion percentage, and other such statistics.

Optional wagers may be placed at the same time as the wagers that start the game, or they may be placed during the game so as to alter the possible payoffs resulting from the outcomes. Different wagers may be accepted based on the complexity of the game desired by the player; if a player desires a very complex game with many statistics to wager on, many different optional wagers may be accepted. Alternatively, a player may wish only to play a simple play with no wagers other than the basic wagers used to play the game, and therefore the game will be limited to accepting less complex wagers.

In one embodiment of the present invention, a large jackpot may be provided to players who achieve an especially rare accomplishment in the game. For example, in the RINGSIDE CHAMP™ game, a large jackpot can be awarded if the player achieves a first-round knockout. Similarly, in the football game, a large jackpot can be awarded if the player scores an unusually high point total or if the player keeps the opposing team from scoring any points.

In another embodiment of the present invention, a player may pause a game before the conclusion of the game. In this embodiment, the player may use a casino identification number identifying the player to the gaming machine, a magnetic card, a smart card, or any other memory device to record the status of the game when the player chooses to pause. The game may be paused at any time the player wishes. Then, when the player wants to resume the game, the player may input the identification number or memory device into the gaming machine. The gaming machine then links the player's identification information or the information contained on the memory device to the last status of the paused game. Using this embodiment,

the player may play an entire football game or boxing match, for example, without having to stay at the machine the entire time, and without having to return to the same machine in the future to conclude the game. This embodiment could further be used, for example, for a player to simulate a season in football, baseball, or any other team sport or a career in boxing, tennis, or any other individual sport. Further, in sports such as horse racing and auto racing, this embodiment could be used to allow the player to build up a stable of horses or a team of automobiles that would be managed over time by the player. Thus, in addition to the payoffs granted by the machine, the player may build up status on the game over time, and these status improvements may be used by casino operators to grant special bonuses.

While the present invention has been described with reference to one or more particular embodiments, those skilled in the art will recognize that many changes may be made thereto without departing from the spirit and scope of the present invention. For example, the basic game may itself be implemented on the video display 12 or on a separate video display. Further, though the present invention has been described as an entire game, those skilled in the art will recognize that the invention could also be implemented as a bonus game for known types of gaming machines. In addition, though the present invention has been described with respect to the portrayal of simulated sporting events, the invention is not limited to portraying simulated sporting events and includes the portrayal of other types of events and actions. Further, though specific embodiments have been described having two displays, the invention may be implemented on machines having only one display and may also be implemented on machines having more than two displays. Each of these embodiments and obvious variations thereof is contemplated as falling within the spirit and scope of the claimed invention, which is set forth in the following claims.

**WHAT IS CLAIMED IS:**

1. A gaming machine controlled by processing circuitry in response to a wager, said gaming machine comprising a presentation medium presenting a multi-stage game including a plurality of stages and a plurality of player-selectable options, each of said stages including an action executed on said presentation medium in response to  
5 selection of at least one of said options by a player, said action in at least one of said stages resulting in a payoff if said action matches predetermined criteria, said multi-stage game being other than slots, cards, roulette, dice, dominoes, bingo, or keno.
2. The gaming machine of claim 1, wherein the multi-stage game includes a  
10 sporting event.
3. The gaming machine of claim 2, wherein said sporting event is selected from a group consisting of football, boxing, basketball, baseball, hockey, soccer, racing, track-and-field, golf, tennis, and bowling.  
15
4. The gaming machine of claim 2, wherein said action in each of said stages includes a play of said sporting event.
5. The gaming machine of claim 2, wherein said sporting event is football, said  
20 action in each of said stages includes a football play, said player-selectable options being different types of offensive or defensive plays.
6. The gaming machine of claim 2, wherein said sporting event is boxing, said  
25 action in each of said stages including a boxing move, said player-selectable options being different types of boxing moves.
7. The gaming machine of claim 1, wherein said action in each of said stages is executed in response to a stage wager being placed by the player.

8. The gaming machine of claim 1, wherein said presentation medium is a visual display, said multi-stage game being animated on said visual display.
9. The gaming machine of claim 1, wherein said presentation medium includes  
5 mechanical actors.
10. The gaming machine of claim 1, wherein said actions in said stages vary from one another.
- 10 11. The gaming machine of claim 10, wherein said action in each of said stages varies with the selection of different ones of said options.
12. The gaming machine of claim 1, wherein said action in each of said stages varies with the selection of different ones of said options.
- 15 13. The gaming machine of claim 1, wherein said actions in said stages relate to one another to form a continuing performance.
14. The gaming machine of claim 1, wherein said action in each of said stages  
20 continues the action occurring in an immediately preceding one of said stages.
15. The gaming machine of claim 1, wherein said action in each of said stages results in a stage outcome, said stage outcome resulting in a stage payoff if said stage outcome matches predetermined criteria.
- 25 16. The gaming machine of claim 15, wherein said stage payoff is based on a degree of success of said action.
17. The gaming machine of claim 1, wherein a combination of said actions in all of  
30 said stages produces a game outcome, said game outcome resulting in a payoff if said game outcome matches predetermined criteria.

18. The gaming machine of claim 17, wherein said predetermined criteria for awarding a payoff based on said game outcome are established by the player.
19. The gaming machine of claim 1, wherein said game proceeds to a succeeding one of said stages only if said action executed in a preceding one of said stages matches said predetermined criteria.
20. A gaming machine controlled by processing circuitry in response to a wager, said gaming machine comprising:
- 10 a presentation medium; and
- a multi-stage game played on said presentation medium, said game including a plurality of stages and a plurality of player-selectable options, each of said stages including an action executed on said presentation medium in response to selection of at least one of said options by a player, said action varying with the selection of different
- 15 ones of said options, said action representing a stage outcome, said stage outcome resulting in a stage payoff if said stage outcome matches predetermined criteria, said game being other than slots, cards, roulette, dice, dominoes, bingo, or keno.
21. The gaming machine of claim 20, wherein the multi-stage game includes a
- 20 sporting event.
22. The gaming machine of claim 21, wherein said sporting event is selected from a group consisting of football, boxing, basketball, baseball, hockey, soccer, racing, track-and-field, golf, tennis, and bowling.
- 25
23. The gaming machine of claim 21, wherein said action in each of said stages includes a play of said sporting event.
24. The gaming machine of claim 21, wherein said sporting event is football, said
- 30 action in each of said stages including a football play, said player-selectable options being different types of offensive or defensive plays.



15

25. The gaming machine of claim 21, wherein said sporting event is boxing, said action in each of said stages including a boxing move, said player-selectable options being different types of boxing moves.

5 26. The gaming machine of claim 20, wherein said action in each of said stages is executed in response to a stage wager being placed by the player.

27. The gaming machine of claim 20, wherein said presentation medium is a visual display, said multi-stage game being animated on said visual display.

10

28. The gaming machine of claim 20, wherein said presentation medium includes mechanical actors.

15 29. The gaming machine of claim 20, wherein said actions in each of said stages vary from one another.

30. The gaming machine of claim 29, wherein said action in each of said stages varies with the selection of different ones of said options.

20 31. The gaming machine of claim 20, wherein said action in each of said stages varies with the selection of different ones of said options.

32. The gaming machine of claim 20, wherein said actions in each of said stages relate to one another to form a continuing performance.

25

33. The gaming machine of claim 20, wherein said action in each of said stages continues the action occurring in an immediately preceding one of said stages.

30 34. The gaming machine of claim 20, wherein said action in each of said stages represents a stage outcome, said stage outcome resulting in a stage payoff if said stage outcome matches predetermined criteria.

35. The gaming machine of claim 34, wherein said stage payoff is based on a degree of success of said action.

5 36. The gaming machine of claim 20, wherein a combination of said actions in all of said stages produces a game outcome, said game outcome resulting in a payoff if said game outcome matches predetermined criteria.

10 37. The gaming machine of claim 26, wherein said predetermined criteria for awarding a payoff based on said stage outcome are established by the player.

38. The gaming machine of claim 20, wherein said game proceeds to a succeeding one of said stages only if said stage outcome in a preceding one of said stages matches said predetermined criteria.

15 39. The gaming machine of claim 20, wherein a combination of said actions in all of said stages produces a game outcome, said game outcome resulting in a payoff if said game outcome matches predetermined criteria for said game outcome.

20 40. The gaming machine of claim 39, wherein said predetermined criteria for awarding a payoff based on said game outcome are established by the player.

25 41. A gaming machine controlled by processing circuitry in response to a wager, said gaming machine comprising a presentation medium presenting a game including an action and a plurality of player-selectable options, said action being executed on said presentation medium in response to selection of at least one of said options by a player, said action varying with the selection of different ones of said options by the player, said action resulting in a payoff if said action matches predetermined criteria, said game being other than slots, cards, roulette, dice, dominoes, bingo, or keno.

30 42. The gaming machine of claim 41, wherein the game includes a sporting event.

17

43. The gaming machine of claim 42, wherein said sporting event is selected from a group consisting of football, boxing, basketball, baseball, hockey, soccer, racing, track-and-field, golf, tennis, and bowling.

5 44. The gaming machine of claim 41, wherein said presentation medium is a visual display, said game being animated on said visual display.

45. The gaming machine of claim 41, wherein said presentation medium includes mechanical actors.

10

46. The gaming machine of claim 41, wherein said predetermined criteria for awarding a payoff based on said action are established by the player.

47. A gaming machine controlled by processing circuitry, said gaming machine  
15 comprising a presentation medium presenting a game simulating an action of an animated entity, said action being executed on said presentation medium in response to a wager placed by a player, said action resulting in a payoff if said action yields an outcome matching predetermined criteria, said game being other than slots, cards, roulette, dice, dominoes, keno, or bingo.

20

48. The gaming machine of claim 47, wherein the game includes a sporting event.

49. The gaming machine of claim 48, wherein said sporting event is selected from a group consisting of football, boxing, basketball, baseball, hockey, soccer, racing, track-  
25 and-field, golf, tennis, and bowling.

50. The gaming machine of claim 47, wherein said presentation medium is a visual display, said game being animated on said visual display.

30 51. The gaming machine of claim 47, wherein said presentation medium includes mechanical actors.

52. The gaming machine of claim 47, wherein said predetermined criteria for awarding a payoff based on said outcome are established by the player.

53. A method of operating a gaming machine, comprising:

5 receiving a wager from a player;

executing a first action on a presentation medium in response to selection of at least one of a plurality of player-selectable options by the player, said first action varying with the selection of different ones of said options;

10 executing a second action on said presentation medium in response to the selection of another one of said options by the player, said first and second actions being related to one another to form a continuing performance; and

awarding a payoff to the player if at least one of said first and second actions matches predetermined criteria.

15 54. The gaming machine of claim 53, wherein said second action is a continuation of said first action.

55. The gaming machine of claim 53, wherein said step of executing said second action only occurs if said first action yields an outcome matching predetermined  
20 criteria for the outcome.

56. The gaming machine of claim 53, wherein said step of awarding a payoff includes awarding a first payoff to the player if the first action matches predetermined criteria and awarding a second payoff to the player if the second action matches  
25 predetermined criteria.

57. The gaming machine of claim 53, wherein the continuing performance includes a sporting event.

30 58. The gaming machine of claim 57, wherein said sporting event is selected from a group consisting of football, boxing, basketball, baseball, hockey, soccer, racing, track-and-field, golf, tennis, and bowling.

59. The gaming machine of claim 53, wherein said presentation medium is a visual display, said continuing performance being animated on said visual display.

5 60. The gaming machine of claim 53, wherein said presentation medium includes mechanical actors.

61. The gaming machine of claim 53, wherein said predetermined criteria for awarding a payoff are established by the player.

10

62. A gaming machine controlled by processing circuitry in response to a wager, comprising:

a visual display showing a variety of selectable actions and a progression of simulated events in response to a player selecting different ones of said selectable

15 actions, with selections by said player altering said progression; and

a payoff mechanism rewarding payoffs to the player in response to certain ones of said simulated events.

63. The gaming machine of claim 62, wherein said progression of simulated events  
20 includes identifiable achievements and said payoff mechanism rewards payoffs in response to said identifiable achievements.

64. The gaming machine of claim 63, wherein said payoff mechanism rewards payoffs in relation to secondary wagers relating to certain ones of said identifiable  
25 achievements.

20

65. The gaming machine of claim 62, wherein said progression of simulated events includes simulated actions by moving beings.

66. The gaming machine of claim 65, wherein said progression of simulated events  
5 is a simulated sports competition.

67. The gaming machine of claim 66, wherein said simulated sports competition is a boxing match.

10 68. The gaming machine of claim 66, wherein said simulated sports competition is a football game.

69. The gaming machine of claim 67, wherein said identifiable achievements include wearing down an opponent, knocking an opponent down, knocking an  
15 opponent out, winning a match, and other boxing achievements.

70. The gaming machine of claim 68, wherein said identifiable achievements include scoring a touchdown, making a first down, scoring a field goal, scoring a touchdown, defending against a drive, and other football achievements.

20

71. A gaming machine controlled by processing circuitry in response to a wager from a player, comprising:

one or more presentation media showing a variety of selectable actions and a game progression, said selectable actions being constituent portions of said game progression; and

a payoff mechanism rewarding payoffs to the player in response to certain ones  
5 of said selectable actions and certain events in said game progression.

72. The gaming machine of claim 71, wherein the game progression includes a sporting event.

10 73. The gaming machine of claim 72, wherein said sporting event is selected from a group consisting of football, boxing, basketball, baseball, hockey, soccer, racing, track-and-field, golf, tennis, and bowling.

74. The gaming machine of claim 71, wherein at least one of said presentation  
15 media is a visual display, said game progression being animated on said visual display.

75. The gaming machine of claim 71, wherein at least one of said presentation media includes mechanical actors.

20 76. The gaming machine of claim 71, wherein said certain ones of said selectable actions and said certain events for rewarding a payoff are determined by the player.

77. A gaming machine controlled by processing circuitry in response to a wager, comprising:

25 means for portraying a simulation of a sporting event; and

means for portraying sub-events which combine to constitute the simulation of the sporting event.

78. A gaming method comprising:
- accepting a wager amount;
  - displaying an initial state in a simulated lifelike event;
  - 5 providing a player with an initial set of selectable actions;
  - portraying a simulated performance in response to one of the actions of said initial set being selected by the player, said simulated performance starting from said initial state and producing a first outcome;
  - rewarding the player with a payoff if said first outcome meets predetermined
  - 10 criteria;
  - providing the player with a new set of selectable actions; and
  - accepting an additional wager based on said first outcome rather than said initial state.
- 15 79. The method of claim 78, wherein said new set of selectable actions is different from said initial set of selectable actions to reflect changes from said initial state to said first outcome.
80. The method of claim 78, further including portraying a new simulated
- 20 performance in response to one of the actions of said new set being selected by the player, said new simulated performance starting from said first outcome and producing a second outcome.



81. The method of claim 80, further including rewarding the player with a payoff if said second outcome meets predetermined criteria.
82. The method of claim 78, wherein said simulated performance is displayed on a  
5 screen.
83. The method of claim 78, wherein said simulated performance is displayed mechanically.
- 10 84. A gaming method comprising:  
accepting a wager from a player;  
displaying an ongoing simulation having lifelike movements;  
providing the player with a selection of incremental changes to said ongoing simulation;  
15 altering said ongoing simulation in response to selection by the player of certain ones of said incremental changes; and  
providing a payoff to the player in response to certain outcomes resulting from selected ones of said incremental changes.
- 20 85. The method of claim 84, wherein said wagers are placed on specific ones of said outcomes of said ongoing simulation.
86. The method of claim 85, wherein amounts of said payoffs have a proportionality to amounts of said wagers.

87. The method of claim 86, further accepting optional wagers and, wherein said optional wagers alter the proportionality of said payoffs to said wagers.

5 88. A gaming machine comprising:

means for receiving a wager from a player;

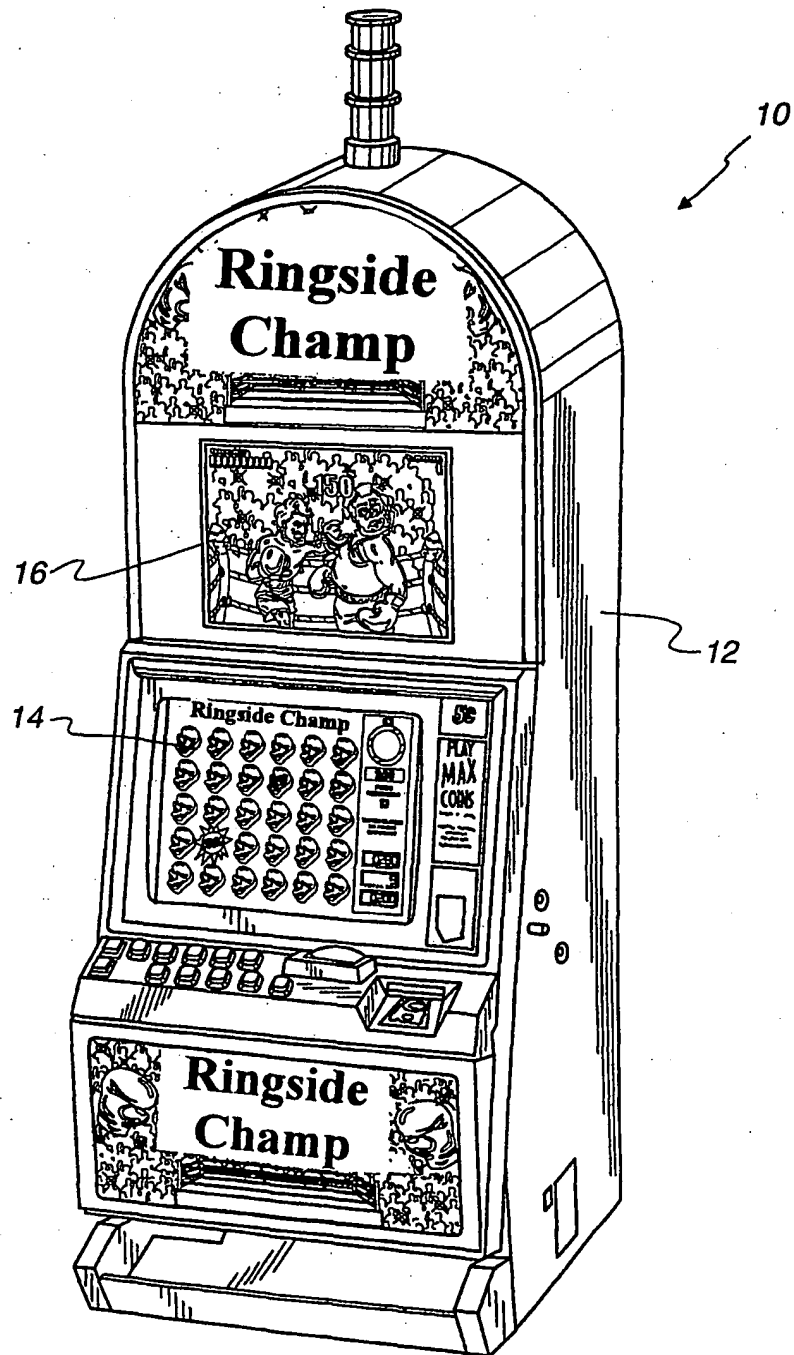
means for portraying an ongoing simulation of a lifelike event, said lifelike event being other than cards, slots, roulette, keno, dominoes, bingo, or dice games;

10 means for generating an incremental change in said ongoing simulation in response to a selection by the player of at least one of a plurality of selectable elements, said incremental change varying with the selection of different ones of said selectable elements; and

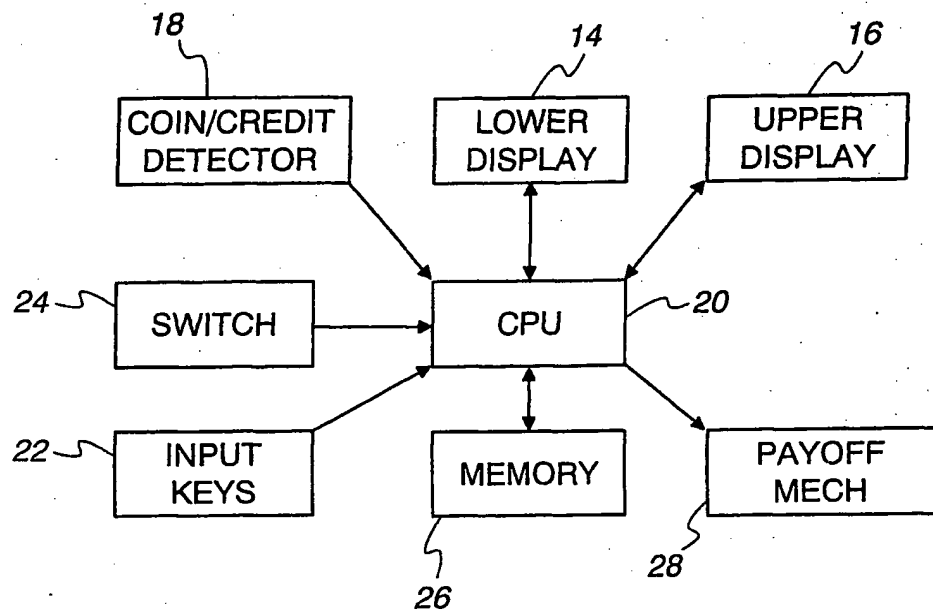
means for providing a payoff to the player in response to said incremental change meeting predetermined criteria.

1/5

Fig. 1



2/5

*Fig. 2*

3/5

Fig. 3a

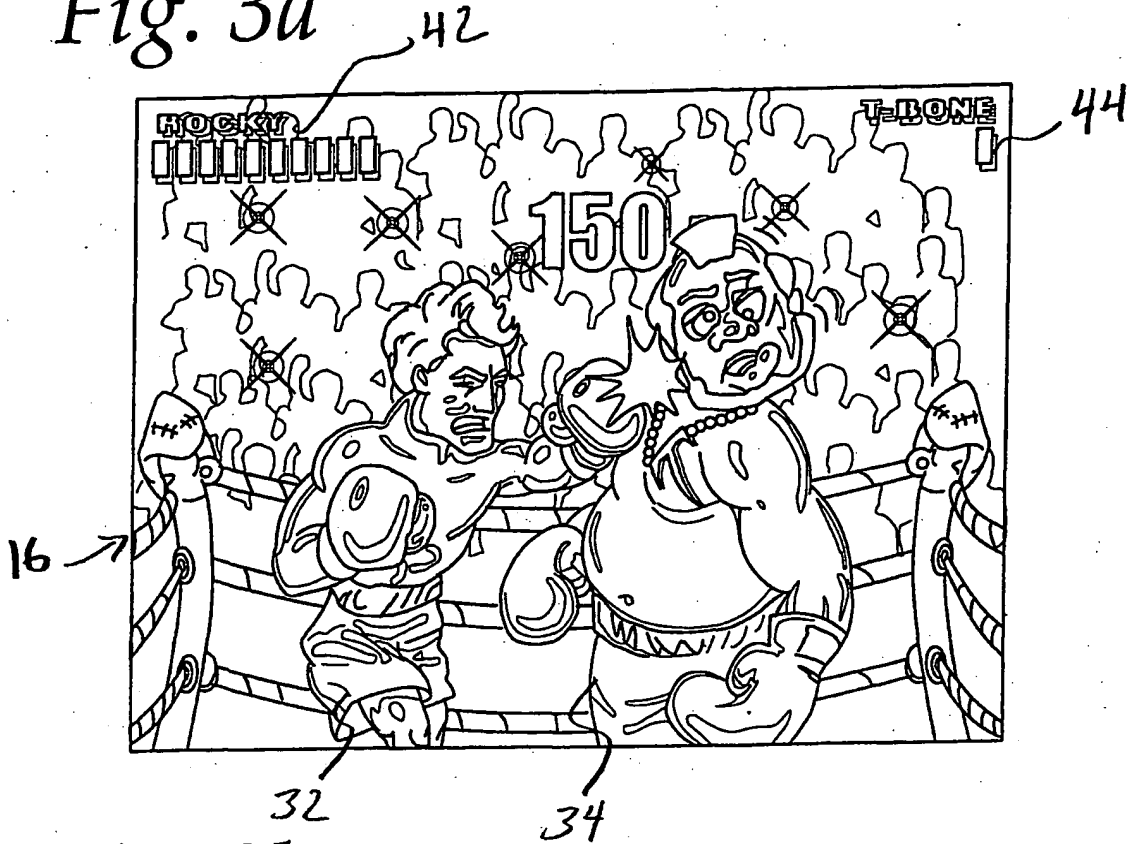
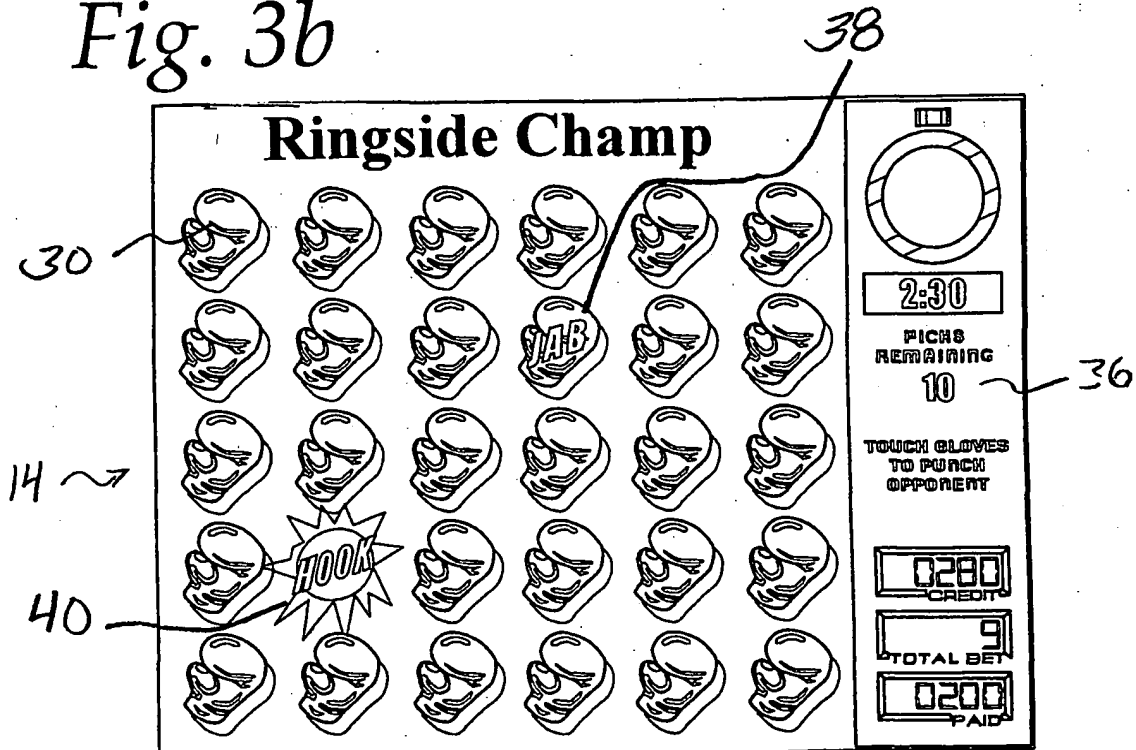


Fig. 3b



4/5

Fig. 4a

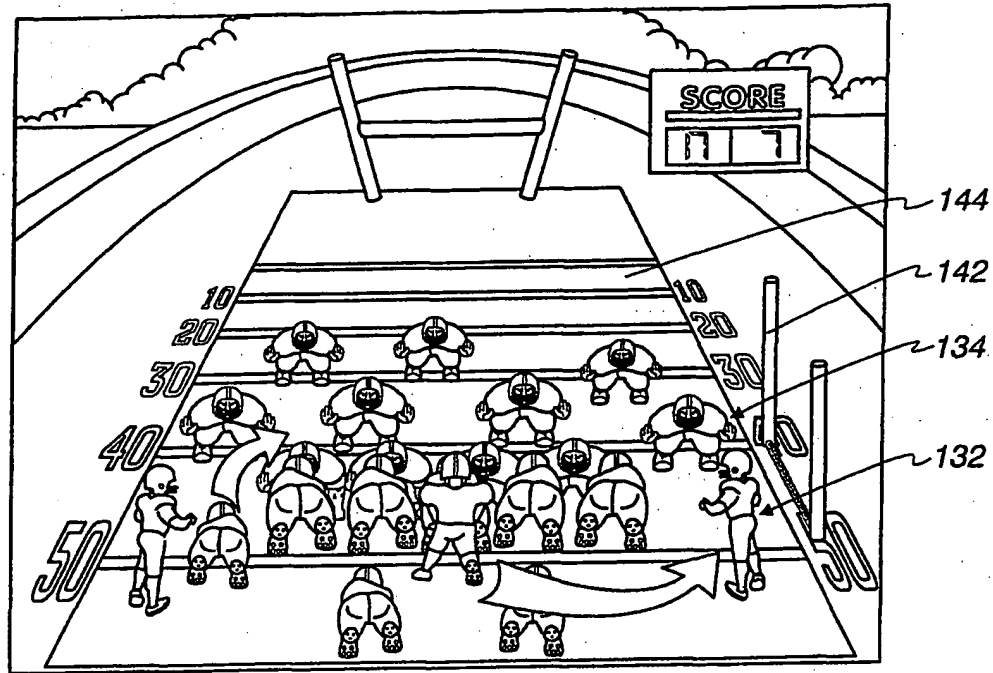
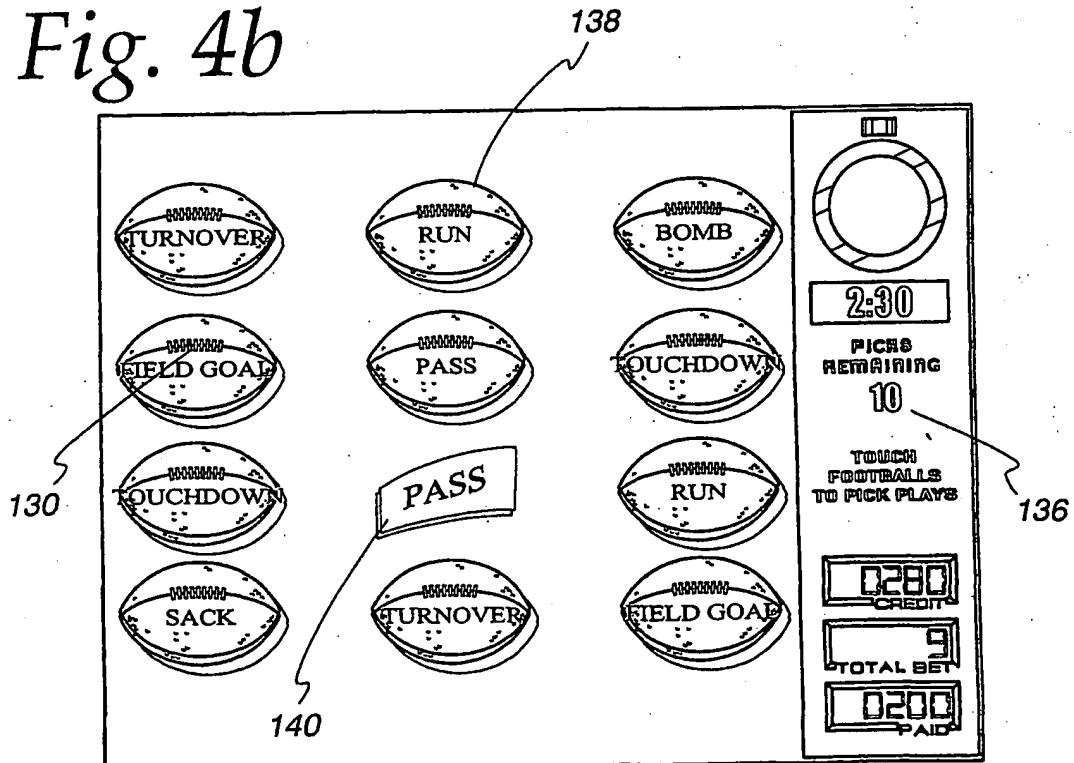
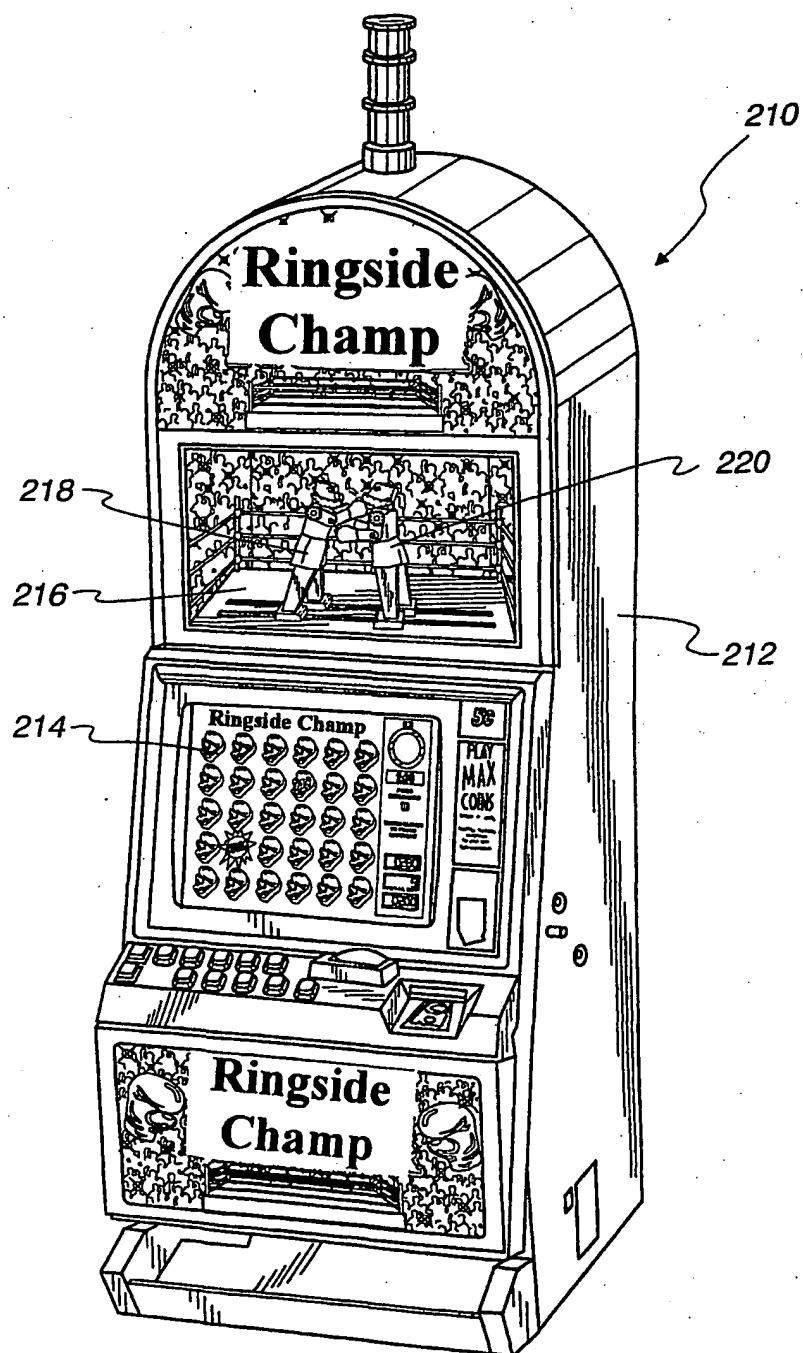


Fig. 4b



5/5

Fig. 5



## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US01/10727

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>														
IPC(7) :A63F 9/24 US CL :463/16 According to International Patent Classification (IPC) or to both national classification and IPC														
<b>B. FIELDS SEARCHED</b>														
Minimum documentation searched (classification system followed by classification symbols) U.S. : 463/16, 4, 17, 18, 19, 20, 12, 13, 25														
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched														
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST Search terms: game machines, multi-stages and select symbols														
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>														
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.												
X,P ----- Y,P	US 6,089,976 A (SCHNEIDER et al) 18 July 2000, see entire document	1-8,10-27,29-44,47-50,52-59,61-74,76-88 ----- 9,28,45,51,60,75												
Y,P	US 6,159,097 A (GURA) 12 December 2000, Figure 5-8	9,28,45,51,60,75												
A	US 5,967,518 A (ROWE) 19 October 1999, see entire document	1-88												
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.														
<table border="0"> <tr> <td>* Special categories of cited documents:</td> <td>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>*A* document defining the general state of the art which is not considered to be of particular relevance</td> <td>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>*E* earlier document published on or after the international filing date</td> <td>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>*Z* document member of the same patent family</td> </tr> <tr> <td>*O* document referring to an oral disclosure, use, exhibition or other means</td> <td></td> </tr> <tr> <td>*P* document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			* Special categories of cited documents:	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	*A* document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	*E* earlier document published on or after the international filing date	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*Z* document member of the same patent family	*O* document referring to an oral disclosure, use, exhibition or other means		*P* document published prior to the international filing date but later than the priority date claimed	
* Special categories of cited documents:	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention													
*A* document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone													
*E* earlier document published on or after the international filing date	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art													
*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*Z* document member of the same patent family													
*O* document referring to an oral disclosure, use, exhibition or other means														
*P* document published prior to the international filing date but later than the priority date claimed														
Date of the actual completion of the international search 01 JUNE 2001		Date of mailing of the international search report 14 JUN 2001												
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230		Authorized officer VALENCIA MARTIN-WALLACE Telephone No. (703) 308-4119  <i>Sheila Veney</i> Paralegal Specialist Technology Center 3700												